



PUBLIC NOTICE

File Number: NRS 15.104

Pursuant to Chapter 0400-4-7 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit and §401 Water Quality Certification. This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

APPLICANT: Tennessee Department of Transportation
Environmental Permits Section
Suite 900, James K. Polk Bldg.
505 Deaderick St.
Nashville, TN 37243
615-253-2466

LOCATION: TDOT 79011-1266-94 PIN115683.00 SR-1, File# NRS 15.104, Shelby County
(Lat: 35.3065/ Lon: -89.6437)

PROJECT DESCRIPTION: The applicant proposes to replace the existing bridge along SR-1 over a drainage channel of the Loosahatchie River and associate wetlands.

Impact 1: Latitude: 35.3065 Longitude: -89.6437
Loosahatchie River Drainage and associate wetlands Station 1193+95.00 to Sta. 1201+15.00

The applicant proposes to replace the existing 681.1 feet of SR-1 bridge over a drainage channel of the Loosahatchie River and associated wetlands with a 6-span concrete girder bridge structure 720 ft. in length with a side to side width of 46 ft. The construction would require 2.534 acres of permanent and 3.312 acres of temporary wetland impacts. Standard On-site Mitigation for Temporary Wetland Impact Areas would involve the removal and stockpile of approximately 1 foot of topsoil. Following construction, the temporary wetland impact area would be restored to pre-construction elevations as soon as possible by using the stockpiled topsoil. The contractor would ensure that the restored elevations will not allow drainage of the remaining wetland. Upon restoration of the appropriate elevations, trees would be planted according to the proposed mitigation plan.

Debits: 2.534 acre wetlands

MITIGATION REQUIRED

As mitigation for 2.534 acres permanent wetland (WTL-1) impacts, TDOT proposes the purchase of 5.5 credits (2:1 ratio) in the Loosahatchie River watershed from the Tennessee Mitigation Fund (TMF) as managed by the Tennessee Wildlife Federation (TWF) In-Lieu Fee Program.

DEGRADATION: In accordance with the Tennessee Antidegradation Statement (Rule 0400-40-03-.06), the division has determined that the proposed activities will not result in degradation to water quality.

WATERSHED / WATERBODY DESCRIPTION: The Loosahatchie River watershed is located in West Tennessee and includes parts of Fayette, Hardeman, Haywood, Shelby and Tipton counties. It is approximately 738 square miles and drains to the Mississippi River. For more information on this watershed please visit <http://www.state.tn.us/environment/water/watersheds/lower-tennessee-river.shtml>

Loosahatchie River (TN08010209001_1000) is in the Loess Plains ecoregion (73a &74b). The channel dimensions are as follows: channel bottom width (100'), channel top width (150'), water depth (N/A), and bank height (20-30'). Typical substrate in this section is comprised of sand and silt.

Loosahatchie River (TN08010209001_1000) was assessed in 2010. It is not supporting its designated uses. The specific uses that are not meeting use support and the causes are as follows: fish and aquatic life due to Total phosphorous, sedimentation/siltation and physical substrate habitat alterations. The stream is available for the proposed impact.

Stream Name / ID #: Loosahatchie River (TN08010209001_1000)

Ecoregion: Loess Plains ecoregion (73a &74b)

Stream Dimension:	Channel bottom width	100'
	Chanel top width	150'
	Water depth	unknown
	Bank height	20-30'

Substrate: silt and sand

Designated Use	Use Support	Causes
Fish and aquatic life	not supporting	total phosphorous, sedimentation/siltation physical substrate habitat alterations
Recreation	fully supporting	
Industrial water supply	fully supporting	
Irrigation	fully supporting	
Livestock watering & wildlife	fully supporting	

The stream is available for the proposed impact

Assessment Date: 2010

PERMIT COORDINATOR: Brian Canada

FACTORS CONSIDERED: In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

COMMENTING: Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced. Send all written comments to the department's address listed below and to the attention of the permit coordinator.

PUBLIC HEARING: Interested persons may request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

APPEAL: A permit appeal may be filed, pursuant to T.C.A. §§ 69-3-105(i) and Rule 0400-40-05, by the permit applicant or by any aggrieved person who participated in the public comment period announced by this notice. This petition must be filed within THIRTY (30) DAYS after public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas at the following address: Tisha Benton, Director, Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave, 11th floor, Nashville, TN 37243. Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

FILE REVIEW: The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address (listed below) for review and/or copying.

Tennessee Department of Environment & Conservation
Division of Water Resources, Natural Resources Unit
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTIONS
3-6	PRESENT LAYERS
7-8	PROPOSED LAYERS
9-10	PROPOSED
11-12	PROPOSED
13-14	PROPOSED
15-16	PROPOSED
17-18	PROPOSED
19-20	PROPOSED
21-22	PROPOSED
23-24	PROPOSED
25-26	PROPOSED
27-28	PROPOSED
29-30	PROPOSED
31-32	PROPOSED
33-34	PROPOSED
35-36	PROPOSED
37-38	PROPOSED
39-40	PROPOSED
41-42	PROPOSED
43-44	PROPOSED
45-46	PROPOSED
47-48	PROPOSED
49-50	PROPOSED
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53-54	PROPOSED
55-56	PROPOSED
57-58	PROPOSED
59-60	PROPOSED
61-62	PROPOSED
63-64	PROPOSED
65-66	PROPOSED
67-68	PROPOSED
69-70	PROPOSED
71-72	PROPOSED
73-74	PROPOSED
75-76	PROPOSED
77-78	PROPOSED
79-80	PROPOSED
81-82	PROPOSED
83-84	PROPOSED
85-86	PROPOSED
87-88	PROPOSED
89-90	PROPOSED
91-92	PROPOSED
93-94	PROPOSED
95-96	PROPOSED
97-98	PROPOSED
99-100	PROPOSED

SHELBY COUNTY

STATE ROUTE 1 (U.S. 70)
BRIDGE & APPROACHES OVER
LOOSAHATCHIE RIVER @ L.V. 30.36

R.O.W.

STATE HIGHWAY NO. 5R 1 F.A.N.S. NO. 10/79



TENN.	1960	1961-66
	2013	1
TEL. 615.763.1111	(800) 378-1223	
WWW.TENN.GOV	T3511-1223-94	

(79011-2256-94)
PROJECT BR-STP-1(283) (R.O.W.)
STA. 1177+56.54 TO STA. 1216+50

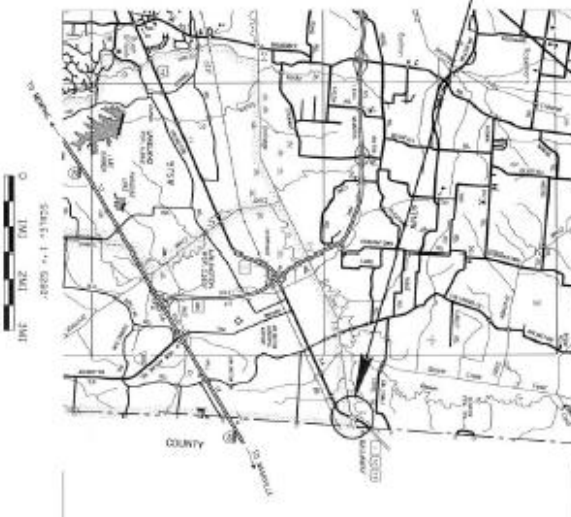
SPECIAL NOTES

THIS SUBJECT TO BE CONSISTENT WITH THE STANDARDS SPECIFICATIONS OF THE FEDERAL GOVERNMENT OF TRANSPORTATION BUILT UNDER 23 USC AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE CONTRACT DOCUMENTS.

TDOT FORM 57, REV. 2 MICHAEL J. BUSTELL, INC. 4

P. 6, 73-17021-1266-54

P1M M2.1156M2.00



R.O.W. LENGTH 0.737 MILES

NO EXCLUSIONS
NO EQUATIONS

TWO LANES OF TRAFFIC TO REMAIN
OPEN DURING CONSTRUCTION

PRELIMINARY PLANS

10.0000

Abstract

5467

JOHN SCHROEDER, COMMISSIONER

ORIGINAL SURVEY
09/18/12

112

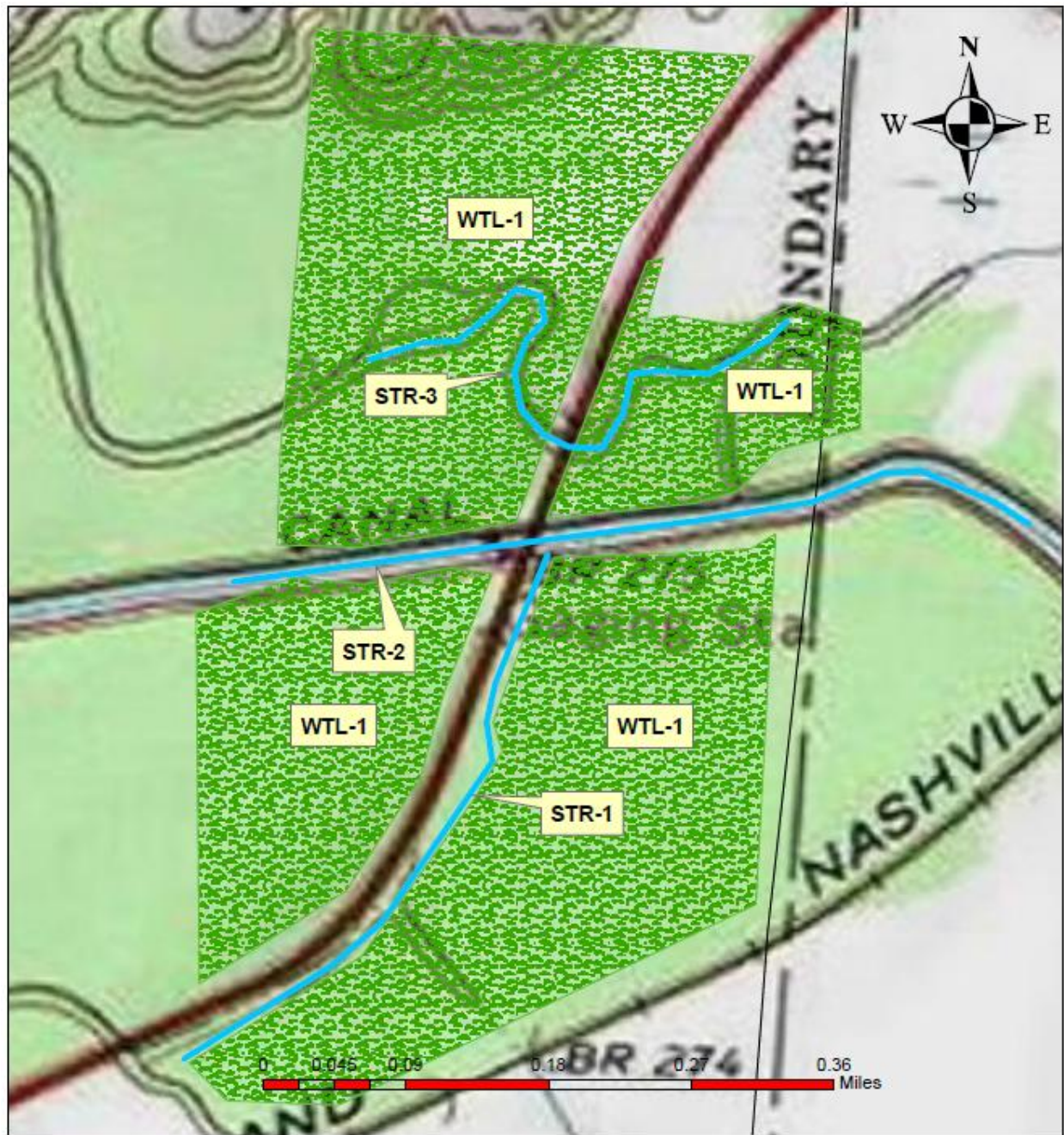
TRAFFIC DATA

TRAFFIC DATA	
MT 12/21/81	5:00-8
MT 12/22/81	7:00 PM
TH 12/23/81	5:00-8
FR 12/24/81	8:00 - 10
SA 12/25/81	6:00
SU 12/26/81	6:00
12/27/81	10:00 AM

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

2

DATE



**Shelby County, SR-1 Bridge over
Loosahatchie River at LM 30.36**

**P.E. 79011-1266-94
PIN 115683.00**



Standard On-site Mitigation for Temporary Wetland Impact Areas (if required)

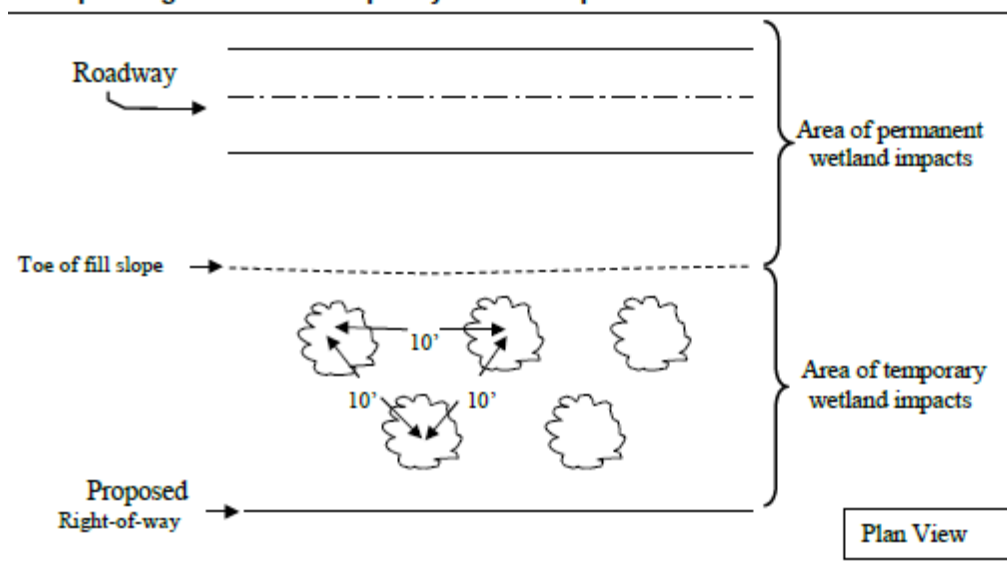
Apply these measures to all applicable temporary wetland impact areas listed in the Mitigation table. For temporary wetland impact areas, remove the top 12" of topsoil and stockpile it until construction is complete. Once construction activities are completed, restore all temporary wetland impact areas to pre-construction conditions. This includes removing haul roads (if applicable), restoring the site to the original (pre-construction) elevation and spreading stockpiled topsoil back over the wetland site. The area of temporary impacts will be stabilized according to standard practices. Planting will be based on notes provided by Ecology. Trees are not planted in emergent wetlands. Wetland areas located outside of proposed right-of-way and construction easements are to be clearly marked and not disturbed.

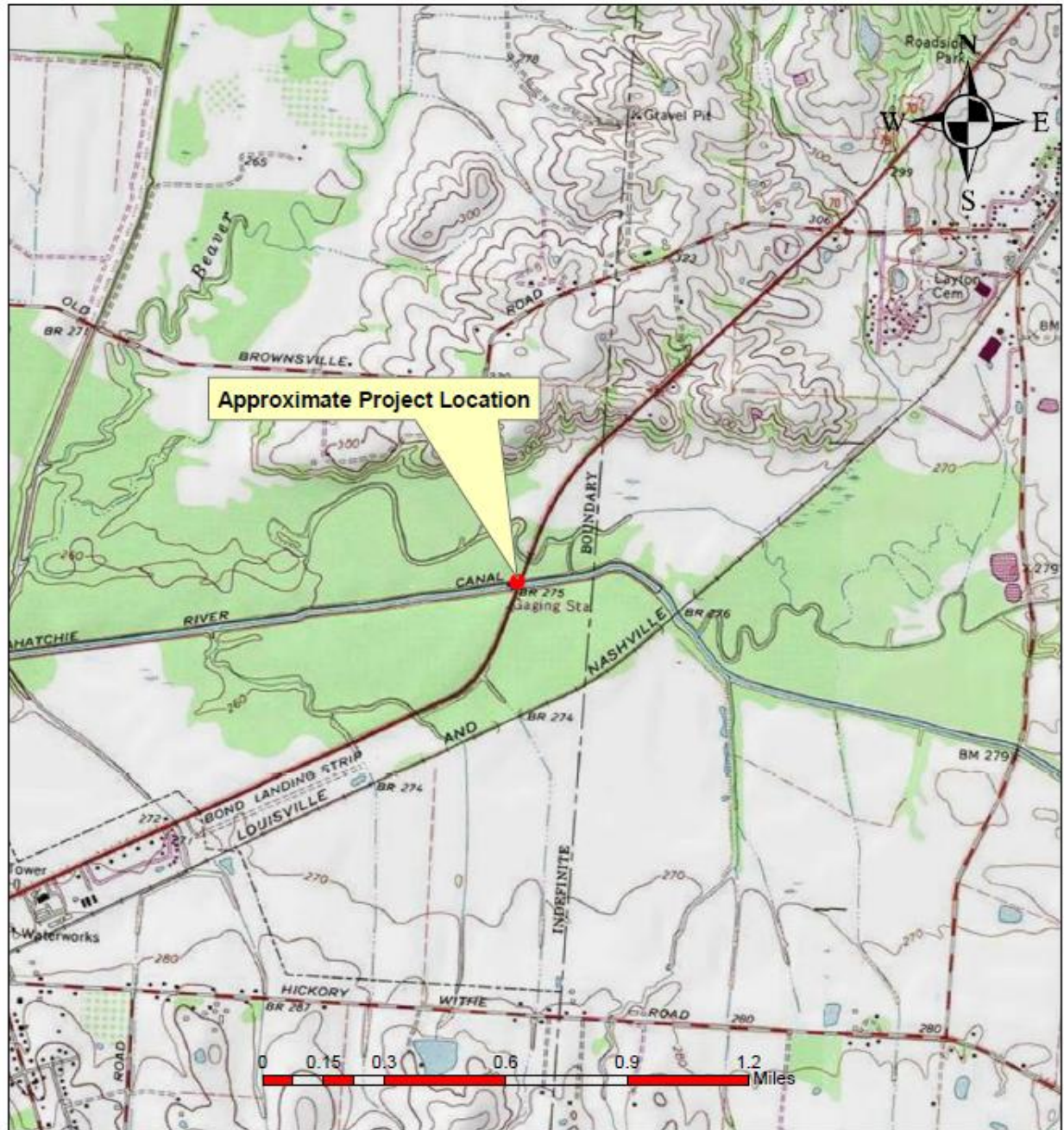
Tree species for temporary wetland impacts:

Item #	Description	Unit
802-12.07	BETULA NIGRA (RIVER BIRCH SEEDLING B.R.)	Each
802-12.18	LIQUIDAMBER STYRACIFLUA (SWEETGUM SEEDLING B.R.)	Each
802-12.26	PLATANUS OCCIDENTALIS (SYCAMORE SEEDLING B.R.)	Each
802-12.37	QUERCUS PALUSTRIS (PIN OAK SEEDLING B.R.)	Each
802-12.38	QUERCUS PHELLOS (WILLOW OAK SEEDLING B.R.)	Each

BR = Bare Root

Tree planting scheme for temporary wetland impact areas





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